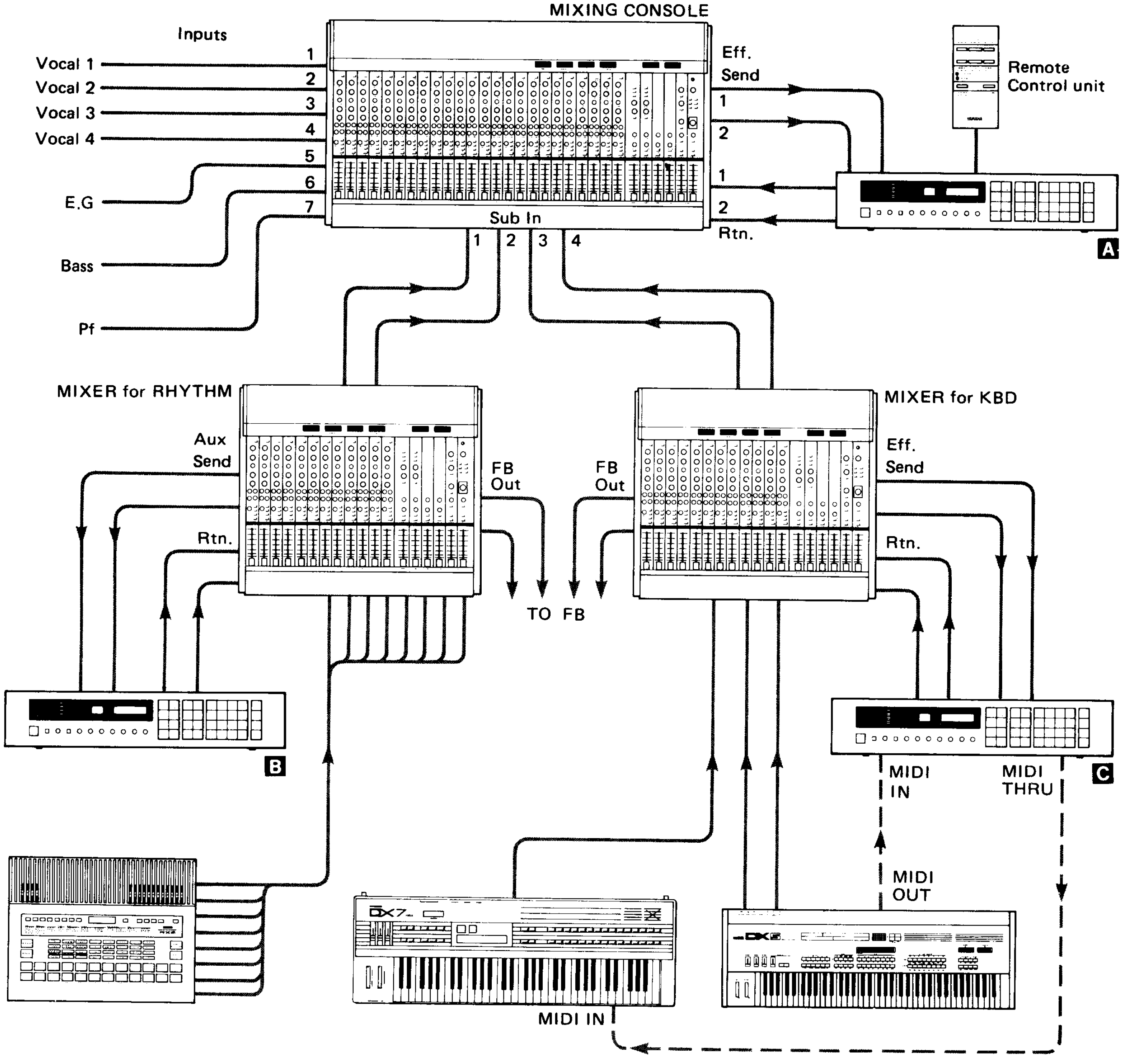
6: APPLICATION EXAMPLES

The extraordinarily broad versatility of the REV5 makes it the perfect reverberator for use in a wide range of applications—for sound reinforcement, recording, A/V production, theatrical productions, etc. The system diagram below shows three REV5 units being used in three completely different ways within a large concert sound reinforcement or recording system.



A Main Reverb Unit
One REV5 is connected into the effect loop of the main system mixing console. In this case the mixing console provides a stereo effects loop: the left and right effects sends are fed to the corresponding REV5 stereo inputs, while the REV5 outputs are fed back to the corresponding effects return inputs. The effects return level controls on the mixer are used to mix the appropriate amount of effect signal back into the program, so the REV5 is set up to output only the reverb signal (no direct signal). This permits application of any REV5 effect to the entire stereo program which is fed to the main house speakers or recording equipment.

B Effects for a Specific Source
In this system a separate mixer is used to mix the independent drum outputs from the RX5 Digital Rhythm Programmer, and add appropriate equalization to the individual drum sounds. A REV5 is patched into the drum mixer's auxilliary send/return loop permitting the application of effects like Gate Reverb to the drum signal only. Since the REV5 is directly inserted into the mixing console's main program buss, the desired mixture of direct and effect sound must be set using the REV5 mixing control.

C Keyboard Effects with MIDI Control
The third REV5 in this system is patched into the stereo effects loop of the keyboard mixer. The REV5 is programmed to select pre-determined effects when it receives specific "program change" data from a MIDI keyboard. That is, if the performer selects voice 5 on his keyboard, the corresponding effect is automatically called on the REV5. For MIDI control, the MIDI OUT from a DX5 Digital Programmable Algorithm Synthesizer is fed to the MIDI IN terminal of the REV5, and the MIDI THRU of the REV5 sends the same MIDI control signals on to a DX7II Digital Programmable Algorithm Synthesizer. In this way, selecting a voice on the DX5 not only selects the corresponding effect on the REV5, but also the corresponding voice number on the DX7II.

7: SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Effect Freq. Response	20 Hz–20 kHz
Dynamic Range	Reverb: 78 dB Delay: 84 dB
THD	0.03% @ 1 kHz, max. level
Analog Equalizer	LOW: ±15 dB, 50 Hz–700 Hz MID: ±15 dB, 350 Hz–5 kHz HI: ±15 dB, 2 kHz–20 kHz

INPUT

Number of Channels	Elec. balanced × 2 (XLR type) Elec. balanced × 2 (TRS phone)
Nominal Level	–20/+4 dBm, switchable
Impedance	10 k-ohms
Level Control	Rotary, continuous
Level Monitor	8-segment LED

A/D CONVERSION

Number of Channels	1
Sampling Freq.	44.1 kHz
Quantization	16 bits
Bandwidth	20 Hz–20 kHz

D/A CONVERSION

Number of Channels	2
Sampling Freq.	44.1 kHz
Quantization	16 bits
Bandwidth	20 Hz–20 kHz

OUTPUT

Number of Channels	Elec. balanced × 2 (XLR type) Elec. balanced × 2 (TRS phone)
Nominal Level	–20/+4 dBm, switchable
Impedance	600 ohms

MEMORY

Presets (ROM)	1–30, 91–99
User Memory (RAM)	31–90 (Battery Backup)

MIDI CONTROL

Program selection by MIDI program change number.
MIDI base key selection for pitch change programs.
Bulk dump & load.

FRONT PANEL

Controls	INPUT LEVEL, EQ (LO FREQ & LEVEL, MID FREQ & LEVEL, HI FREQ & LEVEL), MIXING, EQ ON/OFF, MONO/STEREO
Keys	Direct recall (REV1/-31-, REV2/-32-, REV3/-33-, REV4/-34, ER1/-35-, ER2/-36-, OTHERS/-37-), USER MEMORY, PARAMETER, LEVEL, INITIAL DELAY, 1ST REF, EQ, EQ ON, △, ▽, Numeric/Editing Keys, CLEAR, MEMORY, STORE, RECALL/ENTER, –, MUTE, INT PARAM, UTILITY, BYPASS
Display	16 char. × 2 line LCD 2-digit 7-segment LED

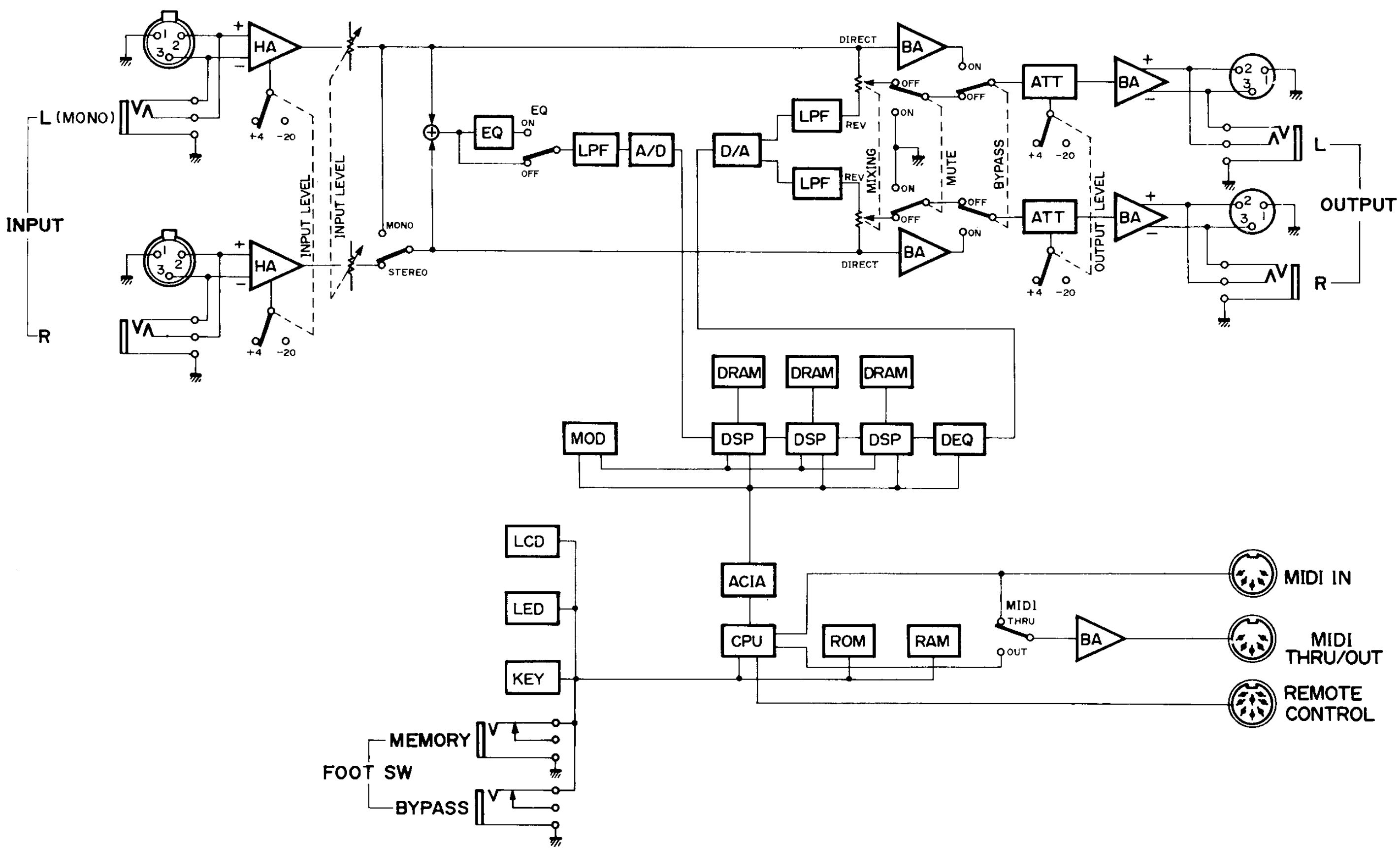
GENERAL

Power Supply	U.S & Canada: 120V AC, 30W General Model: 220–240V AC, 30W
Dimensions (W × H × D)	480 × 90 × 343 mm (18-7/8" × 3-1/2" × 13-1/2")
Weight	5.5 kg (12 lbs. 2 ozs.)

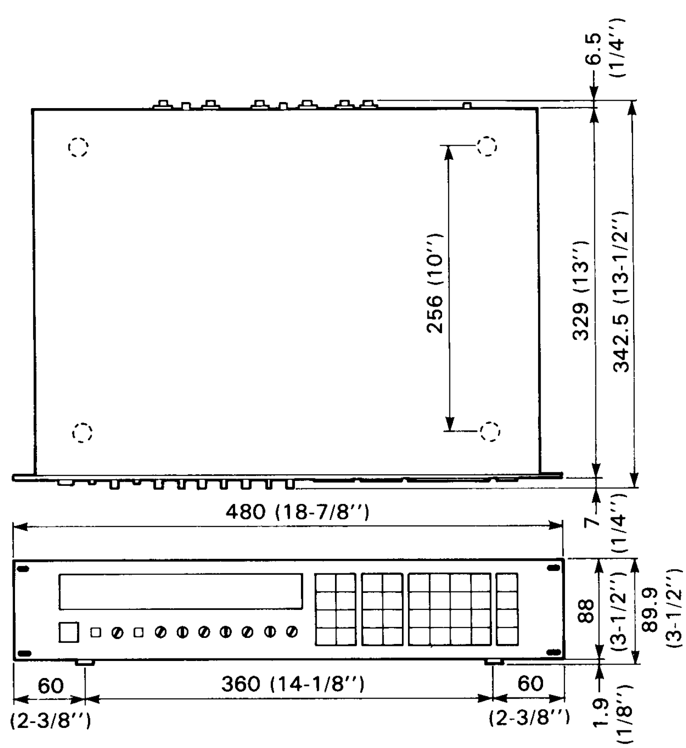
ACCESSORIES Remote control unit (RC-5)

** 0 dB = 0.775 Vr.m.s.*
** Specifications and appearance subject to change without notice.*

8: BLOCK DIAGRAM



9: DIMENSIONS



Unit : mm (Inch)

10. ROM CONTENTS AND CONTROLLABLE PARAMETERS

This chart lists all the programmable parameters of the REV5s 39 presets. It includes the complete value ranges of each parameter, for quick reference when editing. The DESCRIPTION OF PROGAM TYPES & PARAMETERS chapter should be studied, for a full understanding of this chart.

NOTE

PARAMETER
RANGE
PRESET VALUE

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
1	LARGE HALL	PARAM-ETER	REV TIME	HIGH	LOW	DIFFUSION								
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10								
			2.6s	× 0.3	× 1.2	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			30.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL				
			0 ~ 100%	1 ~ 4	*1	0 ~ 10	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%				
			54%	4	6.3kHz	0	× 1.0	0.0ms	100%	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	1	2	3	4	5	6	7	8	9	10	11	12
2	SMALL HALL	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION								
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 5								
			2.0s	× 0.4	× 1.0	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			20.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL				
			0 ~ 100%	1 ~ 4	*1	0 ~ 10	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%				
			57%	4	6.3kHz	0	× 1.0	0.0ms	100%	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
3	VOCAL PLATE	PARAM-ETER	REV TIME	HIGH	LOW	DIFFUSION								
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10								
			2.4s	× 0.3	× 1.0	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			45.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL				
			0 ~ 100%	1 ~ 4	*1	0 ~ 10	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%				
			66%	3	6.3kHz	0	× 1.0	0.0ms	100%	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
4	PERCUSSION PLATE	PARAM-ETER	REV TIME	HIGH	LOW	DIFFUSION								
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10								
			2.0s	× 0.5	× 1.2	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			10.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL				
			0 ~ 100%	1 ~ 4	*1	0 ~ 10	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%				
			80%	4	6.3kHz	0	× 1.0	0.0ms	100%	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
5	EARLY REF.1	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION								
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10								
			S-HALL	5	2.0	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			10.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER NUMBER	LPF FRQ.	FB DLY	FB GAIN	FB HIGH	GATE LVL						
			1 ~ 34	*2	0.1 ~ 1400.0ms	− 99 ~ + 99%	× 0.1 ~ × 1.0	0 ~ 100%						
			34	10kHz	150.0ms	0%	× 0.7	0%						
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
6	EARLY REF.2	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION								
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10								
			S-HALL	5	2.0	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			10.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER NUMBER	DENSITY	LPF FRQ.	SPACE MOD	FB DLY	FB GAIN	FB HIGH	GATE LVL				
			1 ~ 34	1,2	*2	0 ~ 10	0.1 ~ 1400.0ms	− 99 ~ +99%	× 0.1 ~ × 1.0	0 ~ 100%				
			34	2	10kHz	0	150.0ms	0%	× 0.7	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
7	DELAY L,R	PARAMETER	Lch DLY	Lch F.B	Rch DLY	Rch F.B	HIGH							
			0.1 ~ 2900.0ms	− 99 ~ + 99%	0.1 ~ 2900.0ms	− 99 ~ + 99%	× 0.1 ~ × 1.0							
			100.0ms	0%	200.0ms	0%	× 1.0							
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
8	STEREO ECHO	PARAM-ETER	Lch DLY	Lch F.B	Rch DLY	Rch F.B	HIGH							
			0.1 ~ 1400.0ms	−99 ~ +99%	0.1 ~ 1400.0ms	−99 ~ +99%	× 0.1 ~ × 1.0							
			170.0ms	60%	178.0ms	58%	× 0.9							
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	−15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	−15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	−15 ~ +15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
9	STEREO FLANGE	PARAMETER	MOD. FRQ	MOD. DEPTH	MOD. DLY	F.B. GAIN								
			0.1 ~ 40.0Hz	0 ~ 100%	0.1 ~ 100.0ms	0 ~ 99%								
			2.5Hz	50%	1.2ms	35%								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
10	REVERB FLANGE	PARAM-ETER	REV TIME	HIGH	LOW	DIFFUSION	MOD. FRQ	MOD. DEPTH	MOD. DLY					
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	0.1 ~ 40.0Hz	0 ~ 100%	0.1 ~ 30.0ms					
			2.5s	× 0.4	× 1.0	5	1.1Hz	80%	1.2ms					
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL					
			0 ~ 100%	1 ~ 4	*1	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%					
			58%	4	6.3kHz	× 1.0	0.0ms	100%	0%					
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
11	CHORUS A	PARAM-ETER	MOD. FRQ	DM DEPTH	AM DEPTH									
			0.1 ~ 40.0Hz	0 ~ 100%	0 ~ 100%									
			0.2Hz	50%	40%									
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
12	CHORUS B	PARAMETER	MOD. FRQ	DM DEPTH	AM DEPTH									
			0.1 ~ 40.0Hz	0 ~ 100%	0 ~ 100%									
			0.6Hz	50%	10%									
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	−15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	−15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	−15 ~ +15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
13	STEREO PHASING	PARAMETER	MOD. FRQ	MOD. DEPTH	MOD. DLY									
			0.1 ~ 40.0Hz	0 ~ 100%	0.1 ~ 5.0ms									
			1.1Hz	100%	3.0ms									
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
14	TREMOLO	PARAM-ETER	MOD. FRQ	MOD. DEPTH										
			0.1 ~ 40.0Hz	0 ~ 100%										
			6.0Hz	50%										
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
15	SYMPHONIC	PARAM-ETER	MOD. FRQ	MOD. DEPTH										
			0.1 ~ 40.0Hz	0 ~ 100%										
			0.7Hz	50%										
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
16	SPRING	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION								
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10								
			2.6s	× 0.2	× 1.2	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			25.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL				
			0 ~ 100%	1 ~ 4	*1	0 ~ 10	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%				
			35%	4	3.6kHz	0	× 1.0	0.0ms	100%	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
17	ECHO ROOM	PARAM-ETER	REV TIME	HIGH	LOW	DIFFUSION								
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10								
			3.2s	× 0.3	× 1.2	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			16.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL				
			0 ~ 100%	1 ~ 4	*1	0 ~ 10	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%				
			40%	4	7.0kHz	0	× 1.0	0.0ms	100%	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
18	STRINGS	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION								
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10								
			3.0s	× 0.3	× 1.0	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			13.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL				
			0 ~ 100%	1 ~ 4	*1	0 ~ 10	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%				
			28%	4	THRU	0	× 1.0	0.0ms	100%	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
19	ELECTRIC BASS A	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION								
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10								
			PLATE	0	0.3	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			12.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	87%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER NUMBER	LPF FRQ.	FB DLY	FB GAIN	FB HIGH	GATE LVL						
			1 ~ 34	*2	0.1 ~ 1400.0ms	0 ~ 99%	× 0.1 ~ × 1.0	0 ~ 100%						
			34	9.0kHz	150.0ms	0%	× 0.7	0%						
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
20	ELECTRIC BASS B	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION								
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10								
			PLATE	3	0.4	7								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			12.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	68%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER NUMBER	DENSITY	LPF FRQ.	SPACE MOD.	FB DLY	FB GAIN	FB HIGH	GATE LVL				
			1 ~ 34	1, 2	*2	0 ~ 10	0.1 ~ 1400.0ms	− 99 ~ +99%	× 0.1 ~ × 1.0	0 ~ 100%				
			34	2	9.0kHz	0	150.0ms	0%	× 0.7	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
21	KICK	PARAM-ETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION								
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10								
			PLATE	1	0.3	7								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			12.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	87%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER NUMBER	LPF FRQ.	FB DLY	FB GAIN	FB HIGH	GATE LVL						
			1 ~ 34	*2	0.1 ~ 1400.0ms	− 99 ~ + 99%	× 0.1 ~ × 1.0	0 ~ 100%						
			34	6.3kHz	150.0ms	0%	× 0.7	0%						
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
22	SNARE	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION								
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10								
			1.2s	× 0.8	× 0.8	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			10.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL				
			0 ~ 100%	1 ~ 4	*1	0 ~ 10	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%				
			84%	4	8.0kHz	0	× 1.0	0.0ms	100%	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
23	REVERB & GATE	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.			
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	1 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	5 ~ 24000ms	OFF,ON			
			2.6s	× 0.3	× 1.2	5	65	10.0ms	150ms	5ms	OFF			
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			20.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL					
			0 ~ 100%	1 ~ 4	*1	0 ~ 10	× 0.1 ~ × 10.0	0.0 ~ 500.0ms	0 ~ 100%					
			54%	4	6.3kHz	0	× 1.0	0.0ms	100%					
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
24	REVERSE GATE	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION								
			*1	0 ~ 10	0.1 ~ × 25.0	0 ~ 10								
			REVERSE	5	2.4	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			25.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER NUMBER	DENSITY	LPF FRQ.	SPACE MOD	FB DLY	FB GAIN	FB HIGH	GATE LVL				
			1 ~ 34	1, 2	*2	0 ~ 10	0.1 ~ 1400.0ms	− 99 ~ +99%	× 0.1 ~ × 1.0	0 ~ 100%				
			34	2	7.0kHz	0	150.0ms	0%	× 0.7	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	1	2	3	4	5	6	7	8	9	10	11	12
25	REHEARSAL ROOM	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION								
			*1	0 ~ 10	0.1 ~ × 25.0	0 ~ 10								
			PIANO	4	1.0	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			10.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	65%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER NUMBER	LPF FRQ.	FB DLY	FB GAIN	FB HIGH	GATE LVL						
			1 ~ 34	*2	0.1 ~ 1400.0ms	− 99 ~ + 99%	× 0.1 ~ × 1.0	0 ~ 100%						
			34	10kHz	150.0ms	0%	× 0.7	0%						
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: PIANO, ORGAN, BRASS, GUITAR
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
26	PITCH CHANGE A	PARAM-ETER	PITCH	FINE	DELAY	F.B. GAIN	BASE KEY							
			−12 ~ +12	−100 ~ +100	0.1 ~ 400.0ms	0 ~ 99%	OFF,C1 ~ C6							
			0	0	0.1ms	0%	C3							
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	−15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	−15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	−15 ~ +15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
27	PITCH CHANGE B	PARAMETER	1 PITCH	1 FINE	1 DLY	2 PITCH	2 FINE	2 DLY	BASE KEY					
			−12 ~ +12	−100 ~ +100	0.1 ~ 400.0ms	−12 ~ +12	−100 ~ +100	0.1 ~ 400.0ms	OFF,C1 ~ C6					
			0	+8	0.1ms	0	−8	20.0ms	C3					
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	−15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	−15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	−15 ~ +15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	1	2	3	4	5	6	7	8	9	10	11	12
28	PITCH CHANGE C	PARAM-ETER	L PITCH	L FINE	L DLY	R PITCH	R FINE	R DLY	BASE KEY					
			– 12 ~ + 12	– 100 ~ + 100	0.1 ~ 200.0ms	– 12 ~ + 12	– 100 ~ + 100	0.1 ~ 200.0ms	OFF,C1 ~ C6					
			0	+ 8	0.1ms	0	– 8	0.1ms	C3					
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*1	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
29	PAN	PARAMETER	PAN SPEED	DIRECTION	DEPTH									
			0.1 ~ 40.0Hz	*1	0 ~ 100%									
			0.7Hz	L→R	75%									
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			0.1ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	LPF FRQ.	GATE LVL										
			*2	0 ~ 100%										
			THRU	0%										
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: L→R, L←R, L↔R
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
30	LIVE REFERENCE	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION								
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10								
			L-HALL	5	2.5	5								
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			20.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	−15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	−15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	−15 ~ +15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER NUMBER	DENSITY	LPF FRQ.	SPACE MOD	FB DLY	FB GAIN	FB HIGH	GATE LVL				
			1 ~ 34	1,2	*2	0 ~ 10	0.9 ~ 1400ms	−99% ~ +99%	×0.1 ~ ×1.0	0 ~ 100%				
			34	2	THRU	0	150ms	0%	×0.7	0%				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
91	ECHO & REV & G	PARAM-ETER	DELAY	F.B GAIN	F.B. HIGH	REV TIME	HIGH	LOW	DIFFUSION	REV MIX				
			0.1 ~ 1400.0ms	−99 ~ +99%	× 0.1 ~ × 1.0	0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	0 ~ 100%				
			170.0ms	60%	× 0.9	2.6s	× 0.3	× 1.2	5	45%				
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			30.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	−15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	−15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	−15 ~ +15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		IST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	DENSITY	LPF FRQ.	SPACE MOD	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.				
			1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON				
			4	6.3kHz	0	0	20.0ms	150ms	5ms	OFF				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
92	CHORUS & REV & G	PARAMETER	MOD. FRQ	DM DEPTH	AM DEPTH	REV TIME	HIGH	LOW	DIFFUSION	REV MIX				
			0.1 ~ 40.0Hz	0 ~ 100%	0 ~ 100%	0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	0 ~ 100%				
			0.2Hz	50%	40%	2.6s	× 0.3	× 1.2	5	45%				
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			30.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	DENSITY	LPF FRQ.	SPACE MOD	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.				
			1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON				
			4	6.3kHz	0	0	20.0ms	150ms	5ms	OFF				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
93	SYMPHO. & REV & G	PARAM-ETER	MOD. FRQ	MOD. DEPTH	REV TIME	HIGH	LOW	DIFFUSION	REV MIX					
			0.1 ~ 40.0Hz	0 ~ 100%	0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	0 ~ 100%					
			0.7Hz	50%	2.6s	× 0.3	× 1.2	5	45%					
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			30.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	DENSITY	LPF FRQ.	SPACE MOD	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG				
			1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON				
			4	6.3kHz	0	0	20.0ms	150ms	5ms	OFF				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
94	PC & REV & G	PARAM-ETER	PITCH	FINE	DELAY	F.B. GAIN	BASE KEY	REV TIME	HIGH	LOW	DIFFUSION	REV MIX		
			− 12 ~ + 12	− 100 ~ + 100	0.1 ~ 400.0ms	0 ~ 99%	OFF,C1 ~ C6	0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	0 ~ 100%		
			0	0	0.1ms	0%	C3	2.6s	× 0.3	× 1.2	5	45%		
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			30.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	PITCH BAL	DENSITY	LPF FRQ.	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.				
			0 ~ 100%	1 ~ 3	*1	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON				
			100%	3	6.3kHz	0	20.0ms	150ms	5ms	OFF				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
95	REV & SYMPHO. & G	PARAM-ETER	REV TIME	HIGH	LOW	DIFFUSION	MOD FRQ	MOD DEPTH	REV MIX					
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	0.1 ~ 40.0Hz	0 ~ 100%	0 ~ 100%					
			2.6s	× 0.3	× 1.2	5	0.7Hz	50%	45%					
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			30.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	DENSITY	LPF FRQ.	SPACE MOD	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.				
			1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON				
			4	6.3kHz	0	0	20.0ms	150ms	5ms	OFF				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	1	2	3	4	5	6	7	8	9	10	11	12
96	REV & PAN & G	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION	PAN SPEED	DIRECTION	DEPTH	REV MIX				
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	0.1 ~ 40.0Hz	*1	0 ~ 100%	0 ~ 100%				
			2.6s	× 0.3	× 1.2	5	0.7Hz	L→R	75%	45%				
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			30.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	DENSITY	LPF FRQ	SPACE MOD.	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.				
			1 ~ 4	*2	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON				
			4	6.3kHz	0	0	20.0ms	150ms	5ms	OFF				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: L→R, L←R, L↔R
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
97	REV & PC & G	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION	L PITCH	L FINE	L DLY	R PITCH	R FINE	R DLY	BASE KEY	REV MIX
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	− 12 ~ × + 12	− 100 ~ + 100	0.1 ~ 200.0ms	− 12 ~ + 12	− 100 ~ + 100	0.1 ~ 200.0ms	OFF,C1 ~ C6	0 ~ 100%
			2.6s	× 0.3	× 1.2	5	0	+ 8	0.1ms	0	− 8	0.1ms	C3	45%
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			30.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	PITCH BAL	DENSITY	LPF FRQ	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.				
			0 ~ 100%	1 ~ 3	*1	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON				
			100%	3	6.3kHz	0	20.0ms	150ms	5ms	OFF				
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
98	ER + REV & G	PARAM-ETER	MODE	LIVENESS	ROOM SIZE	ER DIF	REV TIME	HIGH	LOW	REV DIF				
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10	0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10				
			S-HALL	5	2.0	5	2.6s	× 0.3	× 1.2	5				
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			10.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	– 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	– 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	– 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	ER/REV BAL	ER DLY	ER NUMBER	REV DLY	DENSITY	LPF FRQ.	SPACE MOD.	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.
			0 ~ 100%	0.1 ~ 500.0ms	1 ~ 14	0.1 ~ 500.0ms	1 ~ 4	*2	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON
			50%	0.1ms	14	20.0ms	4	6.3kHz	0	0	0.1ms	150ms	5ms	OFF
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B
*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
99	PLATE & HALL & G	PARAM-ETER	REV1 TIME	1 HIGH	1 LOW	1 DIFFUSION	REV2 TIME	2 HIGH	2 LOW	2 DIFFUSION				
			0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10	0.3 ~ 99.0s	× 0.1 ~ × 1.0	× 0.1 ~ × 2.4	0 ~ 10				
			2.0s	× 0.5	× 1.2	5	2.6s	× 0.3	× 1.2	5				
		INITIAL DELAY	INI DLY											
			0.1 ~ 1000.0ms											
			10.0ms											
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	− 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	− 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	− 15 ~ + 15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
		EQ ON	EQ ON/OFF											
			OFF,ON											
			OFF											
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
		LEVEL	BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF,ON									
			100%	100%	OFF									
		INT PARAM	REV1/2 BAL	REV1 DLY	REV2 DLY	DENSITY	LPF FRQ.	SPACE MOD.	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.	
			0 ~ 100%	0.1 ~ 500.0ms	0.1 ~ 500.0ms	1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON	
			50%	10.0ms	30.0ms	4	6.3kHz	0	0	0.1ms	150ms	5ms	OFF	
		MUTE	MUTE ON/OFF											
			OFF,ON											
			OFF											
		BYPASS	BYPASS ON/OFF											
			OFF,ON											
			OFF											

*1: 1.0kHz ~ 16kHz, THRU

11: BLANK CHART

YAMAHA REV5 USER PROGRAMMING TABLE

Date: ____________________ Programmer: ____________________

Memory No.	Program Title	Memory No.	Program Title	Memory No.	Program Title
31		51		71	
32		52		72	
33		53		73	
34		54		74	
35		55		75	
36		56		76	
37		57		77	
38		58		78	
39		59		79	
40		60		80	
41		61		81	
42		62		82	
43		63		83	
44		64		84	
45		65		85	
46		66		86	
47		67		87	
48		68		88	
49		69		89	
50		70		90	

YAMAHA REV5 USER PROGRAMMING TABLE

Memory No.: ____________________ Program Title: ____________________

Date: ____________________ Programmer: ____________________

PARAMETER SELECT KEYS	PARAMETER 1	2	3	4	5	6	7	8	9	10	11	12
PARAM-ETER												
INITIAL DELAY												
EQ												
EQ ON												
1ST REF												
LEVEL												
INT PARAM												
MUTE												
BYPASS												

YAMAHA REV5

PROGRAM CHANGE NUMBER & MEMORY NUMBER

Date: ______________________ Programmer: ______________________

PGM 1	MEM	PGM 44	MEM	PGM 87	MEM
PGM 2	MEM	PGM 45	MEM	PGM 88	MEM
PGM 3	MEM	PGM 46	MEM	PGM 89	MEM
PGM 4	MEM	PGM 47	MEM	PGM 90	MEM
PGM 5	MEM	PGM 48	MEM	PGM 91	MEM
PGM 6	MEM	PGM 49	MEM	PGM 92	MEM
PGM 7	MEM	PGM 50	MEM	PGM 93	MEM
PGM 8	MEM	PGM 51	MEM	PGM 94	MEM
PGM 9	MEM	PGM 52	MEM	PGM 95	MEM
PGM 10	MEM	PGM 53	MEM	PGM 96	MEM
PGM 11	MEM	PGM 54	MEM	PGM 97	MEM
PGM 12	MEM	PGM 55	MEM	PGM 98	MEM
PGM 13	MEM	PGM 56	MEM	PGM 99	MEM
PGM 14	MEM	PGM 57	MEM	PGM 100	MEM
PGM 15	MEM	PGM 58	MEM	PGM 101	MEM
PGM 16	MEM	PGM 59	MEM	PGM 102	MEM
PGM 17	MEM	PGM 60	MEM	PGM 103	MEM
PGM 18	MEM	PGM 61	MEM	PGM 104	MEM
PGM 19	MEM	PGM 62	MEM	PGM 105	MEM
PGM 20	MEM	PGM 63	MEM	PGM 106	MEM
PGM 21	MEM	PGM 64	MEM	PGM 107	MEM
PGM 22	MEM	PGM 65	MEM	PGM 108	MEM
PGM 23	MEM	PGM 66	MEM	PGM 109	MEM
PGM 24	MEM	PGM 67	MEM	PGM 110	MEM
PGM 25	MEM	PGM 68	MEM	PGM 111	MEM
PGM 26	MEM	PGM 69	MEM	PGM 112	MEM
PGM 27	MEM	PGM 70	MEM	PGM 113	MEM
PGM 28	MEM	PGM 71	MEM	PGM 114	MEM
PGM 29	MEM	PGM 72	MEM	PGM 115	MEM
PGM 30	MEM	PGM 73	MEM	PGM 116	MEM
PGM 31	MEM	PGM 74	MEM	PGM 117	MEM
PGM 32	MEM	PGM 75	MEM	PGM 118	MEM
PGM 33	MEM	PGM 76	MEM	PGM 119	MEM
PGM 34	MEM	PGM 77	MEM	PGM 120	MEM
PGM 35	MEM	PGM 78	MEM	PGM 121	MEM
PGM 36	MEM	PGM 79	MEM	PGM 122	MEM
PGM 37	MEM	PGM 80	MEM	PGM 123	MEM
PGM 38	MEM	PGM 81	MEM	PGM 124	MEM
PGM 39	MEM	PGM 82	MEM	PGM 125	MEM
PGM 40	MEM	PGM 83	MEM	PGM 126	MEM
PGM 41	MEM	PGM 84	MEM	PGM 127	MEM
PGM 42	MEM	PGM 85	MEM	PGM 128	MEM
PGM 43	MEM	PGM 86	MEM		

SERVICE

This product is supported by Yamaha's worldwide network of factory trained and qualified dealer service personnel. In the event of a problem, contact your nearest Yamaha dealer.

YAMAHA

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